

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	first with second with third with correlator with (on adj time) with (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:52
L2	0	first same second same third same correlator same (on adj time) same (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:51
L3	1040	first same second same third same correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:51
L4	415	first with second with third with correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:53
L5	0	(on adj time) with (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:52
L6	142	on adj time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:52
L7	0	non adj on adj time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:52
L8	142	6 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:53

L9	0	4 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:53
L10	65	first with second with third with correlator with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 09:54
L11	0	interpolat\$3 with first with second with third with correlator with time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:05
L12	3	interpolat\$3 with first with second with third with correlator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:00
L13	5	interpolat\$3 same first same second same third same correlator same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:04
L14	1	"ontime" and "non-ontime"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:05
L15	0	(on adj time) and (non adj on adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:05
L16	3	interpolat\$3 with correlator with sample with shift\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:07

L17	7	interpolat\$3 with correlator with sample WITH CONTROL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:11
L18	13	interpolat\$3 same correlator same sample same early same late	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:19
L19	0	("2002/0037028").URPN.	USPAT	OR	ON	2005/03/14 10:14
L20	0	("2003/0118085").URPN.	USPAT	OR	ON	2005/03/14 10:14
L21	3632	delay adj locked adj loop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:22
L22	84	interpolat\$3 and correlator and early and late and (delay adj locked adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:28
L23	84	interpolat\$3 and correlator and early and late and (delay adj locked adj loop) and (post adje correlator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:28
L24	1	interpolat\$3 and correlator and early and late and (delay adj locked adj loop) and (post adj correlator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:56
L25	47	"300254"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 10:58
L26	1	"09/760094"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:12

L27	17334	early with late with from adn (delay adj locked adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L28	0	early with late with from and (delay adj locked adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L29	0	early with late with from	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L30	31775	early with late	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:14
L31	3632	delay adj locked adj loop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L32	85	30 with 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L33	374	30 and 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:13
L34	0	early with late with(from)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:14

L35	0	early with late with (from)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:14
L36	1166	early with late with using	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:54
L37	116	36 and 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:14
L38	28	36 with 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:14
L39	18	interpolat\$3 same correlator same early same late	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:24
L40	1	interpolat\$3 same correlator same early same late same ontime	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:25
L41	2	interpolat\$3 and correlator and (early with late) and ontime	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:53
L42	1566	375/150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:02

L43	43	37 and 42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:54
L44	44	correlator and (early with late) and interpolator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:56
L45	13	31 and 44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:56
L46	213	correlator and (early with late) and interpolat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:56
L47	83	31 and 46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:57
L48	57	46 and 42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 11:57
L49	30	47 and 42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:02
L50	467	375/136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:04

L51	4	47 and 50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:04
L52	996	375/142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:06
L53	18	47 and 52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:06
L54	1374	375/147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:08
L55	20	47 and 54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:08
L56	1713	375/343	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
L57	11	47 and 56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
L58	1621	375/373	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09

L59	1	47 and 58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
L60	3842	375/376	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
L61	1	47 and 60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
S1	1	"10/033513"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/11 14:29



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... Using these pulses, combination of matched filter and **interpolator** for ...
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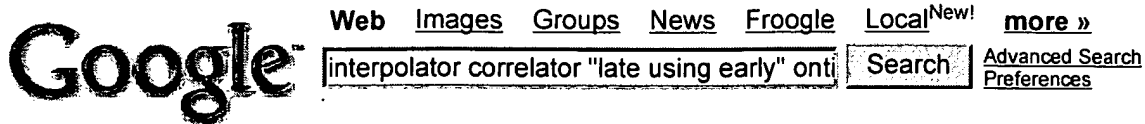
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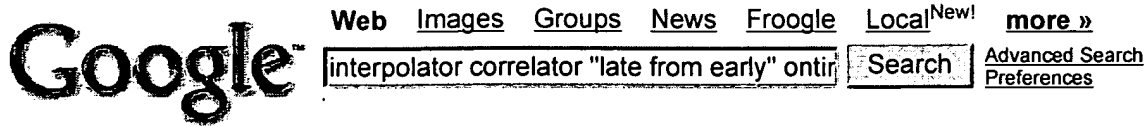
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ETTORRE, Donato / GRAZIANO, Maurizio / MELIS, Bruno / FINOTELLO, Andrea / RUSCITTO, Alfredo / STMICROELECTRONICS S.R.L., PATENT COOPERATION TREATY APPLICATION, Jun 2004
 ...the third **interpolator** is used to...energy). The **early** and **late** samples are...to 15 the **correlators** for the computation...position of the **early**, **late** and middle...feeding the **correlators** and the Rake...These 5 **interpolators** are controlled...needs six **interpolators: early**, middle and **late** for both...
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- ☐ 2. [Microsoft PowerPoint - CDMA2000 esp with new bts block diagrams.ppt](#)
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 Air...Nonlinearity Nonlinearity + - **Late Early** On-Time Input Signal c n...scheduling the use of the **correlators** Input Store Input Store **Correlator Correlator Correlator Correlator**...
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- ☐ 3. [SIMPLE AND ROBUST DIGITAL CODE TRACKING LOOP FOR WIRELESS COMMUNICATION SYSTEMS](#)
LI, Bin / INTERDIGITAL TECHNOLOGY CORPORATION, PATENT COOPERATION TREATY APPLICATION, Nov 2003
 ...summer 40. The **interpolator** 33 provides **early** and **late** I samples to...includes an **interpolator** 53, a delay circuit 54, **early** and **late** PN despreaders...summer 65. The **interpolator** 53 provides a single **early/late** output to delay...
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 ...transmitter needs to include an **interpolator** and digital modulator before the...Average Calculation Thre- shold CMF **correlator** PN (·)2 + CMF **correlator** PN...interval, and they are used for the **early** and **late** signals. The delay-locked loops...
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- ☐ **ELTAWIL, Ahmed / DANESHRAD, Babak / INNOVICS WIRELESS, INC., PATENT COOPERATION TREATY APPLICATION**, Jul 2004
...accomplished using **correlators** within each of...on two sides (**early** and **late**) of the sample...stream and an **interpolator** receiving the...over-sampled **interpolator** that might be...allocation of **correlators** and processing...
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...delays (e.g.: sliding **correlator**) Coarse delay estimation...delay lock loop: $r(t)$ **early** code **late** code Delay Delay 2 BPF... $T_c - R_2 + T_c$, 2 = **early-late** spacing 83080 Receiver...Rectangular pulse shape **Early-late** spacing of 1 chip **Early**...
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ZHOU, Philip, Yuanping / MOTOROLA, INC., PATENT COOPERATION TREATY APPLICATION, Jun 2003
...circuits are based on an **early-late** DLL structure that applies...Whereas the I conventional **early-late** DLL structure takes only...calculate more or less **early-late** squared correlation differences...at the output of the **interpolator** 328. In the time recovery...
Full text available at patent office. For more in-depth searching go to  **LexisNexis**
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- ☐ **9. METHOD AND DEVICE FOR FINE SYNCHRONIZATION OF A DIGITAL TELECOMMUNICATION RECEIVER**
ETTORRE, Donato / GRAZIANO, Maurizio / MELIS, Bruno / FINOTELLO, Andrea / RUSCITTO, Alfredo / STMICROELECTRONICS S.R.L., PATENT COOPERATION TREATY APPLICATION, Jun 2004
...the third **interpolator** is used to...energy). The **early** and **late** samples are...to 15 the **correlators** for the computation...position of the **early, late** and middle...feeding the **correlators** and the Rake...These 5 **interpolators** are controlled...resolution. An **interpolator** having a...chip. The **early** and the **late** samples feed the **correlators** that compute...
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5 Comparison of PN code tracking digital DLL's for direct sequence spread spectrum systems*Maljevic, I.; Sousa, E.S.;*

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